

4-WHEEL ELECTRIC FORKLIFT TRUCK CUSHION TIRE PRODUCT TECHNICAL GUIDE



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E80-120XN DIMENSIONS



Circled dimensions correspond to the line numbers on the tabulated chart inside the technical guide. Dimensions are in inches (millimeters).

E80XN SPECIFICATIONS

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Value Opt 3-stg FFL mast NL/RL ft/min (m/sec) 77/98 (0.39/0.5) 39 Gradeability 5 minute rating NL/RL % 23/14.1 29.3/17.8 30.1/18.3 60 minute rating NL/RL % 8.4/5.4 10.6/6.8 10.9/7 40 Drawbar pull 5 minute rating NL/RL LBF 3327/3193 4023/3864 4104/3941 41 Brake Method of control Service/parking LBF 1246/1232 1511/1497 1541/1526 41 Brake Method of operation Service/parking - - Foot/automatic 42 Battery Type Lead acid Thin Plate Pure Lead* Lithium-ion* STANDARP PERFORMANCE 43 Traction motor Foot/automatic - State 2(21) 15% rating hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor Traction motor 15% rating hp (kW) 35.5 (26.5) 48.3 (36) 48.3 (36) 45 Traction motor Traction motor Type/control method - - 46 Pump motor Traction/pump Infinitely variable/infinitely variable/infinitely variable 48 Step height Lowest point in (mm)	IAN	22	Lower speed			. ,	00/04 (0.440/0.270)		110/06 (0.50/0.545)			
Value Opt 3-stg FFL mast NL/RL ft/min (m/sec) 77/98 (0.39/0.5) 39 Gradeability 5 minute rating NL/RL % 23/14.1 29.3/17.8 30.1/18.3 60 minute rating NL/RL % 8.4/5.4 10.6/6.8 10.9/7 40 Drawbar pull 5 minute rating NL/RL LBF 3327/3193 4023/3864 4104/3941 41 Brake Method of control Service/parking LBF 1246/1232 1511/1497 1541/1526 41 Brake Method of operation Service/parking - - Foot/automatic 42 Battery Type Lead acid Thin Plate Pure Lead* Lithium-ion* STANDARP PERFORMANCE 43 Traction motor Foot/automatic - State 2(21) 15% rating hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor Traction motor 15% rating hp (kW) 35.5 (26.5) 48.3 (36) 48.3 (36) 45 Traction motor Traction motor Type/control method - - 46 Pump motor Traction/pump Infinitely variable/infinitely variable/infinitely variable 48 Step height Lowest point in (mm)	ORN	30	Lower speed	U				(,				
S3 Graduability S Influte rating NL/RL % 2.0/14.1 2.9.0/17.5 3.0.77.6.3 40 Drawbar pull 60 minute rating NL/RL % 8.4/5.4 10.6/6.8 10.9/7 40 Drawbar pull 5 minute rating NL/RL LBF 3327/3193 4023/3864 4104/3941 41 Brake Method of control Service/parking LBF 1246/1232 1511/1497 1541/1526 41 Brake Method of operation Service/parking - - Hydraulic/spring applied 42 Battery Vippe Control Service/parking - - - 43 Brake Method of operation Service/parking - - - - 44 Battery Vippe Control Service/parking - - - 44 Battery - Control Service/parking - - - 45 Traction motor Service/parking hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor 15% rating hp (kW) 35.5 (26.5) 48.3 (36) 48.3 (36) 45 Traction motor Type/control method <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>												
Image: space	ä	39	Gradeability				23/14.1		30.1/18.3			
41 Brake 60 minute rating NL/RL LBF 1246/1232 1511/1497 1541/1526 41 Brake Method of control Service/parking				60 minute rating	NL/RL	%	8.4/5.4	10.6/6.8	10.9/7			
41 Brake Method of control Service/parking Hydraulic/spring applied 42 Battery Type Lead acid Thin Plate Pure Lead* Lithium-ion* 42 Battery Type VOLTS 36 48 80 43 Traction motor 60 minute rating hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor 15% rating hp (kW) 35.5 (26.5) 44.3 (36) 48.3 (36) 45 Traction motor Type/control method Type/control method AC/transistor 46 Pump motor Type/control method Control method Control method Control method 47 Number of speeds Traction/pump Infinitely variable/infinitely		40	Drawbar pull	5 minute rating	NL/RL	LBF	3327/3193	4023/3864	4104/3941			
42 Battery Method of operation Service/parking Image: Control of Control				60 minute rating	NL/RL	LBF	1246/1232	1511/1497	1541/1526			
42 Battery Type Lead acid Thin Plate Pure Lead* Lithium-ion* VDLTS 36 48 80 43 Traction motor 60 minute rating hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor 15% rating hp (kW) 35.5 (26.5) 48.3 (36) 48.3 (36) 48.3 (36) 45 Traction motor Type/control method AC/transistor AC/transistor 46 Pump motor Traction/pump Infinitely variable/infinitely variable Infinitely variable 48 Step height Lowest point in (mm) 21.1 (536) 41.1 (536) 50 Attachment relief pressure Disk point in (mm) 33.7 (855) 50.1 (55) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66		41	Brake									
OPE STANDARD PERFORMANCE 43 Traction motor 60 minute rating hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor 15% rating hp (kW) 35.5 (26.5) 48.3 (36) 48.3 (36) 45 Traction motor Type/control method AC/transistor 46 Pump motor Type/control method AC/transistor 47 Number of speeds Traction/pump Infinitely variable/infinitely variable 48 Step height Lowest point in (mm) 21.1 (536) 50 Attachment relief pressure psi (bar) 2250 (155) 50 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66			_	Method of operation								
VOLTS 36 48 80 43 Traction motor 60 minute rating hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor 15% rating hp (kW) 35.5 (26.5) 48.3 (36) 48.3 (36) 45 Traction motor Type/control method AC/transistor 46 Pump motor Type/control method AC/transistor 47 Number of speeds Traction/pump Infinitely variable/infinitely va		42	Battery		Туре							
43 Traction motor 60 minute rating hp (kW) 28.8 (21.5) 28.8 (21.5) 28.2 (21) 44 Pump motor 15% rating hp (kW) 35.5 (26.5) 48.3 (36) 48.3 (36) 45 Traction motor Type/control method AC/transistor 46 Pump motor Type/control method AC/transistor 47 Number of speeds Traction/pump Infinitely variable/infinitely variable/infinit						VOLTS						
43 Induction motion Type/control method Image: Control method AC/transistor 46 Pump motor Type/control method AC/transistor 47 Number of speeds Traction/pump Infinitely variable/infinitely variable 48 Step height Traction/pump Infinitely variable/infinitely variable 49 Floor height Lowest point in (mm) 33.7 (855) 50 Attachment relief pressure psi (bar) 2250 (155) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66	RIC	13	Traction motor		60 minute rating							
43 Induction motion Type/control method Image: Control method AC/transistor 46 Pump motor Type/control method AC/transistor 47 Number of speeds Traction/pump Infinitely variable/infinitely variable 48 Step height Traction/pump Infinitely variable/infinitely variable 49 Floor height Lowest point in (mm) 33.7 (855) 50 Attachment relief pressure psi (bar) 2250 (155) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66	ECT	44						. ,				
46 Pump motor Type/control method AC/transistor 47 Number of speeds Traction/pump Infinitely variable/infinitely variable/infinitely variable/infinitely variable/infinitely variable/infinitely variable 48 Step height Lowest point in (mm) 21.1 (536) 49 Floor height Lowest point in (mm) 33.7 (855) 50 Attachment relief pressur psi (bar) 2250 (155) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66	Ξ	45				np (100)	00.0 (20.0)	()	10.0 (00)			
47 Number of speeds Traction/pump Infinitely variable/infinitely variable/infinitely variable/infinitely variable/infinitely variable/infinitely variable/infinitely variable 48 Step height Lowest point in (mm) 21.1 (536) 49 Floor height Lowest point in (mm) 33.7 (855) 50 Attachment relief pressure psi (bar) psi (bar) 2250 (155) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66												
48 Step height in (mm) 21.1 (536) 49 Floor height Lowest point in (mm) 33.7 (855) 50 Attachment relief pressur psi (bar) 2250 (155) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66		1-0					Inf		able			
50 Attachment relief pressur psi (bar) 2250 (155) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66			Number of speeds									
50 Attachment relief pressur psi (bar) 2250 (155) 51 Auxiliary oil flow 3rd and 4th function gal/min (l/min) 16 (60) 52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66		47 48				in (mm)						
52 Sound Level Measured per ANSI B56.11.5 dB (A) 69/66	ĘR	47 48 49	Step height Floor height		Lowest point	in (mm)		33.7 (855)				
	DTHER	47 48 49 50	Step height Floor height Attachment relief pressu		Lowest point	in (mm) psi (bar)		33.7 (855) 2250 (155)				
	OTHER	47 48 49 50 51	Step height Floor height Attachment relief pressu Auxiliary oil flow	3rd and 4th function		in (mm) psi (bar) gal/min (l/min)		33.7 (855) 2250 (155) 16 (60)				

* Optional with Hyster Power Cellect™

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal Intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

E100XNS DIMENSIONS

	1	Manufacturer					Hyster					
	2	Model designation					E100XNS					
RA	3	Power					Electric					
GENERAL	4	Operation					Sit					
5	3 4 5	Rated capacity			lb (kg)	10000 (4536)						
	6	Load center			in (mm)		24 (610)					
	7	Tire type - cushion, soli	d, pneumatic, etc.	Drive/steer			Cushion/cushion					
S'	8	Tire size	-,,	Drive/steer	in		22 x 12 x 16 / 18 x 7 x 12.1					
TIRES/ MHEELS	9	Wheels - number	X=driven	Drive/steer			2x/2					
-2	10	Tread	Center of tires	Nar dr/wide dr/steer	in (mm)	4	0/43.9/38.3 (1015/1115/97	2)				
	11	Mast tilt		Std opt	degrees		5F/5B 8F/5B	-/				
	12	Mast - lowered height		Std mast	in (mm)		85 (2138)					
	13	Free lift - top of fork	Std 2-stg limited free lift mas		in (mm)		5 (150)					
		troo interiop of form	Opt 2-stg full free lift mast w		in (mm)		35/48 (897/1222)					
	14	Lift height - top of fork	1 0		in (mm)		109 (2790)					
	15	Mast - extended height			in (mm)		159/144 (4031/3657)					
	16	Overhead guard height	Std/opt/opt flat plate		in (mm)	(04/91/87.1 (2388/2311/2212	2)				
	17	Sip to bottom std OHG	Susp at mid-point	Std/susp/swivel	in (mm)		37.3/36.3/36.2 (949/924/92)					
	18	Tow pin height	Vertical center of pin	ota/odop/otimoi	in (mm)	12.7 (324)						
	19	Overall width	Standard tread/wide tread		in (mm)		52/55.9 (1320/1420)					
	20	Forks	Thickness x width x length		in (mm)	2	2 x 5.9 x 42 (50 x 150 x 106	7)				
Ň	21	Standard carriage width		Class III	in (mm)		42 (1067)	,				
DIMENSIONS	22	Floor to top of battery r			in (mm)		20 (509)					
MEI	23	Ground clearance	Lowest point	NL/RL	in (mm)		3.6/3.4 (92/87)					
ā	24	Ground clearance	Center of truck	NL/RL	in (mm)		5.3/5.1 (134/130)					
	25	Load distance	Center of wheel to face of fo		in (mm)		17.8 (452)					
	26	Battery compartment	Height	Without/with battery rollers	in (mm)							
			Width	, , , , , , , , , , , .	in (mm)							
				Nominal	SIZE							
			Length	Actual	in (mm)	39.2 (996)						
	27	Length to face of forks	U	Chassis length	in (mm)		100.3 (2548)					
	28	Wheelbase		Ū	in (mm)		62 (1574)					
	29	Right angle stack			in (mm)		154 (3911)					
	30	Equal aisle	90° intersecting aisle		in (mm)		83 (2107)					
	31	Outside turning radius			in (mm)		88.2 (2240)					
F	32	Truck weight	Without battery	NL	lb (kg)	13070 (5928)						
WEIGH.	33	Axle loading - drive	Static with max. wt. battery NL/RL		lb (kg)							
N	34	Axle loading - steer	Static with max. wt. battery	NL/RL	lb (kg)		11069/4325 (5021/1962)					
							STANDARD PERFORMANC					
					VOLTS	36	48	80				
	36	Travel speed	Extended shift off	NL/RL	mph (km/h)	10.3/8.8 (16.6/14.2)	11.4/11 (18.3/17.7)	11.4/11 (18.3/17.7)				
			Extended shift on	NL/RL	mph (km/h)	8.8/7.6 (14.2/12.3)	10.9/9.9 (17.5/15.9)	10.9/9.9 (17.5/15.9)				
	37	Lift speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	71/46 (0.36/0.232)	89/57 (0.45/0.29)	89/57 (0.45/0.29)				
ж			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	67/43 (0.34/0.219)	84/54 (0.425/0.274)	84/54 (0.425/0.274)				
AN			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	68/44 (0.346/0.223)	85/55 (0.433/0.279)	85/55 (0.433/0.279)				
ORMANCE	38	Lower speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)		73/89 (0.37/0.45)					
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)		57/81 (0.29/0.41)					
PERF			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)		63/87 (0.32/0.44)					
	39	Gradeability	5 minute rating	NL/RL	%	19.4/11.8	24.6/14.7	25.2/15.1				
	40		60 minute rating	NL/RL	%	7.1/4.5	9.1/5.6	9.2/5.8				
	40	Drawbar pull	5 minute rating	NL/RL	LBF	3323/3185	3994/3832	4074/3909				
		D 1	60 minute rating	NL/RL	LBF	1242/1224	1497/1479	1527/1509				
	41	Brake	Method of control	Service/parking			Hydraulic/spring applied					
	42	Detterry	Method of operation	Service/parking		ابنوه اومو ا	Foot/automatic	bium ion*				
	42	Battery		Туре			STANDARD PERFORMANCI					
					VOLTS	36	48	- 80				
RIC	43	Traction motor		60 minute rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)				
ELECTRIC	44	Pump motor		15 % rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)				
E	45	Traction motor		Type/control method	np (ktt)	00.0 (20.0)	AC/transistor	10.0 (00)				
	46	Pump motor		Type/control method			AC/transistor					
	47	Number of speeds		Traction/pump		Inf	initely variable/infinitely varia	able				
	48	Step height			in (mm)		21.1 (536)					
~		Floor height		Lowest point	in (mm)		33.7 (855)					
OTHER	50	Attachment relief press	ure		psi (bar)		2250 (155)					
DTH	51	Auxiliary oil flow	3rd and 4th function		gal/min (l/min)							
9					J (* 1)							
	52	Sound level	Measured per ANSI B56.11.5	5	dB (A)		69/66					

* Optional with Hyster Power Cellect™

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal Intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

E100XN SPECIFICATIONS

	1	Manufacturer					Hyster				
	2	Model designation					E100XN				
RA	3	Power					Electric				
GENERAL	2 3 4	Operation					Sit				
5	5	Rated capacity			lb (kg)	10000 (4536)					
	6	Load center			in (mm)		24 (610)				
	7	Tire type - cushion, soli	d, pneumatic, etc.	Drive/steer			Cushion/cushion				
TIRES/ WHFFLS	8	Tire size		Drive/steer	in		22 x 12 x 16 / 18 x 7 x 12.1				
ĚË	9	Wheels - number	X=driven	Drive/steer			2x/2				
. 2	10	Tread	Center of tires	Nar dr/wide dr/steer	in (mm)	4	0/43.9/38.3 (1015/1115/972	2)			
	11	Mast tilt		Std opt	degrees		5F/5B 8F/5B	,			
	12	Mast - lowered height		Std mast	in (mm)		85 (2138)				
	13	Free lift - top of fork	Std 2-stg limited free lift mas		in (mm)		5 (150)				
			Opt 2-stg full free lift mast w		in (mm)		35/48 (897/1222)				
	14	Lift height - top of fork	Std 2-stg limited free lift mas		in (mm)		109 (2790)				
	15	Mast - extended height			in (mm)		159/144 (4031/3657)				
	16	Overhead guard height	Std/opt/opt flat plate		in (mm)	ç	4/91/87.1 (2388/2311/2212	2)			
	17	Sip to bottom std OHG	Susp at mid-point	Std/susp/swivel	in (mm)		37.3/36.3/36.2 (949/924/922				
	18	Tow pin height	Vertical center of pin		in (mm)		12.7 (324)	/			
	19	Overall width	Standard tread/wide tread		in (mm)		52/55.9 (1320/1420)				
6		Forks	Thickness x width x length		in (mm)	2	x 5.9 x 42 (50 x 150 x 1067	7)			
N	21	Standard carriage width		Class III	in (mm)		42 (1067)				
DIMENSIONS	20 21 22 23	Floor to top of battery n			in (mm)		20 (509)				
ME	23	Ground clearance	Lowest point	NL/RL	in (mm)		3.6/3.4 (92/87)				
	24	Ground clearance	Center of truck	NL/RL	in (mm)		5.3/5.1 (134/130)				
	25	Load distance	Center of wheel to face of for		in (mm)		17.8 (452)				
	26	Battery compartment	Height	Without/with battery rollers	in (mm)						
			Width	,	in (mm)						
				Nominal	SIZE		45"				
			Length	Actual	in (mm)	45.7 (1161)					
	27	7 Length to face of forks		Chassis length	in (mm)		103.1 (2621)				
	28	Wheelbase			in (mm)		68.5 (1739)				
	29	Right angle stack			in (mm)		158 (4012)				
	30	Equal aisle	90° intersecting aisle		in (mm)		84.3 (2141)				
	31	Outside turning radius			in (mm)	92.2 (2341)					
토	32	Truck weight	NL	lb (kg)		12300 (5579)					
WEIGHT	33	Axle loading - drive	Static with max. wt. battery	NL/RL	lb (kg)		7708/23813 (3496/10801) 10139/4035 (4599/1830)				
3	34	Axle loading - steer	Static with max. wt. battery	NL/RL	lb (kg)						
					1/01.70		STANDARD PERFORMANCE 36 48 80				
	-	T 1 1			VOLTS						
	36	Travel speed	Extended shift off	NL/RL	mph (km/h)	10.3/8.8 (16.6/14.2)	11.4/11 (18.3/17.7)	11.4/11 (18.3/17.7)			
	37	Lift an and	Extended shift on	NL/RL	mph (km/h)	8.8/7.6 (14.2/12.3)	10.9/9.9 (17.5/15.9)	10.9/9.9 (17.5/15.9)			
	3/	Lift speed	Std 2-stg LFL mast Opt 2-stg FFL mast	NL/RL NL/RL	ft/min (m/sec)	71/46 (0.36/0.232)	89/57 (0.45/0.29) 84/54 (0.425/0.274)	89/57 (0.45/0.29)			
ы			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec) ft/min (m/sec)	67/43 (0.34/0.219) 68/44 (0.346/0.223)	(/	84/54 (0.425/0.274) 85/55 (0.433/0.279)			
AN	38	Lower speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	00/44 (0.340/0.223)	85/55 (0.433/0.279) 73/89 (0.37/0.45)	03/33 (0.433/0.279)			
DRMANCE	30	Lower speed	Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)		57/81 (0.29/0.41)				
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)		63/87 (0.32/0.44)				
PERF	39	Gradeability	5 minute rating	NL/RL	%	19.9/11.9	25.2/15	25.8/15.3			
	33	Gradeability	60 minute rating	NL/RL	%	7.3/4.5	9.2/5.7	9.4/5.9			
	40	Drawbar pull	5 minute rating	NL/RL	LBF	3322/3185	3970/3809	4049/3885			
			60 minute rating	NL/RL	LBF	1241/1224	1488/1470	1518/1500			
	41	Brake	Method of control	Service/parking	LDI	1271/1227	Hydraulic/spring applied	1010/1000			
			Method of operation	Service/parking			Foot/automatic				
	42	Battery	moniou or operation	Туре		Lead acid	Thin Plate Pure Lead* Lit	hium-ion*			
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			STANDARD PERFORMANCE				
5					VOLTS	36	48	80			
R	43	Traction motor		60 minute rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)			
ELECTRIC	44	Pump motor		15% rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)			
	45	Traction motor		Type/control method			AC/transistor				
	46	Pump motor		Type/control method			AC/transistor				
	47	Number of speeds		Traction/pump		Infi	nitely variable/infinitely varia	able			
	48	Step height			in (mm)		21.1 (536)				
ŝ	49	Floor height		Lowest point	in (mm)		33.7 (855)				
OTHER	50 51	Attachment relief press			psi (bar)		2250 (155)				
		Auxiliary oil flow	3rd and 4th function		gal/min (l/min)		16 (60)				
	52	Sound level	Measured per ANSI B56.11.5		dB (A)	69/66					

* Optional with Hyster Power Cellect™

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal Intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

E120XN DIMENSIONS

1	Manufacturer					Hyster				
_ 2	Model designation					E120XN				
GENERAL	Power					Electric				
ienera 7	Operation					Sit				
8 5	Rated capacity			lb (kg)		12000 (5443)				
6	Load center			in (mm)	24 (610)					
7	Tire type - cushion, sol	id pneumatic etc	Drive/steer			Cushion/cushion				
8 EES	Tire size		Drive/steer	in		22 x 12 x 16 / 18 x 7 x 12.1				
	Wheels - number	X=driven	Drive/steer			2x/2				
⊢ <u>≥ 3</u> 10	Tread	Center of tires	Nar dr/wide dr/steer	in (mm)	,	10/43.9/38.3 (1015/1115/97	2)			
11	Mast tilt	Center of thes		. ,		5F/5B 8F/5B	2)			
12			Std opt Std mast	degrees		85 (2138)				
	Mast - lowered height	Ctd Q ata limited free lift me		in (mm) in (mm)		· · · ·				
13	Free lift - top of fork	Std 2-stg limited free lift ma		. ,		5 (150)				
	Lifebound and four	Opt 2-stg full free lift mast w		in (mm)		35/48 (897/1222)				
14	Lift height - top of fork	, in the second s	SL	in (mm)		109 (2790)				
15	Mast - extended height			in (mm)		159/144 (4031/3657)	2)			
16	Overhead guard height			in (mm)		94/91/87.1 (2388/2311/221)				
17	Sip to bottom std OHG		Std/susp/swivel	in (mm)		37.3/36.3/36.2 (949/924/92)	2)			
18	Tow pin height	Vertical center of pin		in (mm)		12.7 (324)				
19	Overall width	Standard tread/wide tread		in (mm)		52/55.9 (1320/1420)				
<u>∽</u> 20	Forks	Thickness x width x length		in (mm)	2	.4 x 5.9 x 42 (60 x 150 x 100	57)			
NOIS 21	Standard carriage width		Class III	in (mm)		42 (1067)				
ISN 22	Floor to top of battery r	1	L au ma	in (mm)		20 (509)				
20 21 22 23 24	Ground clearance	Lowest point	NL/RL	in (mm)		3.6/3.4 (92/87)				
24	Ground clearance	Center of truck	NL/RL	in (mm)		5.3/5.1 (134/130)				
25	Load distance	Center of wheel to face of fo		in (mm)		18.2 (462)				
26	Battery compartment	Height	Without/with battery rollers	in (mm)	24.5/24 (622/609)					
		Width		in (mm)		45.4 (1152)				
			Nominal	SIZE	45"					
		Length	Actual	in (mm)	45.7 (1161)					
27	Length to face of forks		Chassis length	in (mm)		107.2 (2724)				
28	Wheelbase			in (mm)		68.5 (1739)				
29	Right angle stack			in (mm)		161.5 (4101)				
30	Equal aisle	90° intersecting aisle		in (mm)		85.7 (2178)				
31	Outside turning radius			in (mm)	95.3 (2420)					
<u></u>	Truck weight	Without battery	NL	lb (kg)		13810 (6264)				
1401 132 1401 133 134	Axle loading - drive	Static with max. wt. battery	NL/RL	lb (kg)		7466/26860 (3387/12183)				
≥ 34	Axle loading - steer	Static with max. wt. battery	NL/RL	lb (kg)	11886/4491 (5391/2037)					
						STANDARD PERFORMANC	E			
				VOLTS	36	48	80			
36	Travel speed	Extended shift off	NL/RL	mph (km/h)	9.4/8 (15.1/12.9)	10.4/10.4 (16.7/16.7)	10.4/10.4 (16.7/16.7)			
		Extended shift on	NL/RL	mph (km/h)	8.2/7 (13.2/11.3)	10.4/9 (16.7/14.5)	10.4/9 (16.7/14.5)			
37	Lift speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	71/43 (0.36/0.216)	89/53 (0.45/0.27)	89/53 (0.45/0.27)			
ш		Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	67/40 (0.34/0.204)	84/50 (0.425/0.255)	84/50 (0.425/0.255)			
NC		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	68/41 (0.346/0.208)	85/51 (0.433/0.26)	85/51 (0.433/0.26)			
ORMANCE 8	Lower speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)		73/89 (0.37/0.45)				
10 ¹		Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)		57/81 (0.29/0.41)				
PERF		Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)		63/87 (0.32/0.44)				
⊡ 39	Gradeability	5 minute rating	NL/RL	%	18.5/10.4	22.8/13.1	23.3/13.4			
		60 minute rating	NL/RL	%	6.6/4	8.3/5.1	8.5/5.1			
40	Drawbar pull	5 minute rating	NL/RL	LBF	3320/3179	3918/3755	3996/3830			
		60 minute rating	NL/RL	LBF	1239/1218	1466/1445	1495/1474			
41	Brake	Method of control	Service/parking			Hydraulic/spring applied				
			Service/parking			Foot/automatic				
42	42 Battery		Туре		Lead acid	Thin Plate Pure Lead* Li	thium-ion*			
						STANDARD PERFORMANC	E			
<u>ں</u>				VOLTS	36	48	80			
2 43	43Traction motor60 min44Pump motor15% ra45Traction motorType/cr		60 minute rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)			
ELECTRIC			15% rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)			
			Type/control method			AC/transistor				
45						AC/transistor				
45			Type/control method							
45			Type/control method Traction/pump		Inf	initely variable/infinitely vari	able			
40	Pump motor			in (mm)	Inf	initely variable/infinitely vari 21.1 (536)	able			
43 46 47 48	Pump motor Number of speeds			in (mm) in (mm)	Inf	21.1 (536)	able			
43 46 47 48	Pump motor Number of speeds Step height	ure	Traction/pump	in (mm)	Inf	21.1 (536) 33.7 (855)	able			
45 46 47 48 49 50	Pump motor Number of speeds Step height Floor height	ure 3rd and 4th function	Traction/pump	in (mm) psi (bar)	Inf	21.1 (536) 33.7 (855) 2250 (155)	able			
43 46 47 48	Pump motor Number of speeds Step height Floor height Attachment relief press	1	Traction/pump Lowest point	in (mm)	Inf	21.1 (536) 33.7 (855)	able			

* Optional with Hyster Power Cellect™

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right angle stack and equal Intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

MAST DIMENSIONS AND BATTERY SPECIFICATIONS

Maximum fork height (TOF) + Overall lowered height		Overall extended height w/load backrest	Overall extended height w/o load backrest	Free-lift (TOF) w/ load backrest	Free-lift (TOF) w/o load backrest	
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	
-STAGE LIMITED FREE-LII	T (LFL) MAST		·			
120 (3050)	84 (2134)	176 (4455)	149 (3783)	5 (150)	5 (150)	
143 (3650)	96 (2434)	193 (4884)	173 (4383)	5 (150)	5 (150)	
-STAGE FULL FREE-LIFT (FFL) MAST					
121 (3075)	84 (2134)	170 (4309)	152 (3857)	35 (900)	53 (1352)	
144 (3675)	96 (2434)	194 (4909)	176 (4457)	47 (1200)	65 (1652)	
-STAGE FULL FREE-LIFT (FFL) MAST					
173 (4415)	84 (2134)	223 (5649)	205 (5197)	35 (900)	53 (1352)	
185 (4715)	88 (2234)	235 (5949)	217 (5497)	39 (1000)	57 (1452)	
194 (4950)	92 (2334)	244 (6184)	226 (5732)	43 (1100)	61 (1552)	
218 (5550)	100 (2534)	268 (6784)	250 (6332)	51 (1300)	69 (1752)	

E100XNS, E100XN, E120XN MAST DIMENSIONS										
Maximum fork height (TOF) + Overall lowered heig		Overall extended height w/load backrest	Overall extended height w/o load backrest	Free-lift (TOF) w/ load backrest	Free-lift (TOF) w/o load backrest					
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)					
2-STAGE LIMITED FREE-LIFT (LFL) MAST										
109 (2790)	85 (2138)	159 (4031)	144 (3657)	5 (150)	5 (150)					
133 (3390)	96 (2438)	183 (4631)	168 (4257)	5 (150)	5 (150)					
157 (3990)	108 (2738)	206 (5231)	192 (4857)	5 (150)	5 (150)					
2-STAGE FULL FREE-LIFT (I	FFL) MAST									
110 (2815)	85 (2138)	160 (4056)	147 (3731)	35 (897)	48 (1222)					
134 (3415)	96 (2438)	184 (4656) 171 (4331)		47 (1197)	59 (1522)					
3-STAGE FULL FREE-LIFT (I	FFL) MAST									
162 (4137)	162 (4137) 85 (2138)		200 (5058)	35 (897)	47 (1217)					
184 (4690)	92 (2338)	234 (5931)	221 (5611)	43 (1097)	55 (1417)					
208 (5290)	100 (2538)	258 (6531)	245 (6211)	51 (1297)	63 (1617)					

BATTERY AND COMPARTMENT SPECIFICATIONS												
	Battery co	mpartment d	limensions	Battery dimensions and specifications						Max capacity	Weight	
Truck model	Width	Length	Height	"X"	"Y"	"Z"	Volts	No. of cells	Plates per cell	6 hour rate	Min	Max
	in (mm)			in (mm)				66113		amp hr (kwh)	lb ((kg)
E80XN							36	18	33	2300 (80.3)		
E100XNS	45.4 (1152)	39.2 (996)	24.5 (622)	45 (1143)	39 (990)	23.9 (608)	48	24	29	1800 (83.8)	3400 (1542)	4800 (2177)
39" Compartment							80	40	15	1000 (77.6)		
E100XN							36	36	19	2300 (160.6)		
E120XN	45.4 (1152)	45.7 (1161)	24.5 (622)	45 (1143)	45.3 (1150)	23.9 (608)	48	24	33	1800 (83.8)	4000 (1814)	5500 (2517)
45" Compartment							80	40	17	1000 (77.6)		

Battery type: "EO" (without cover) Battery amp hr (kwh) capacity is max allowable per UL Commercially available lead acid batteries may not necessarily reach these max limits

Battery roller option reduces battery compartment height to 24.0" (609mm) & max battery height to 23.4" (595mm) Battery compartment length is measured front to rear. Battery

compartment width is measured across the truck

Battery notes – Conventional charging (BCSSBC) Battery connector: 36-volt - Gray SB®350 (Anderson Power Products® P/N 6320G2 or equivalent) 48-volt - Blue SB®350 (Anderson Power Products® P/N 6321G2 or equivalent) 80-volt - Black SBE®320 (Anderson Power Products® P/N E6359G3 or equivalent) Handle (not required): SB®350 and SBE®320 (Anderson Power Products®: "A" TYPE (gray) P/N 995G2 or equivalent) Battery lead: length 20" (508 mm), position "B", 4/0 AWG

Battery notes – Rapid/fast charging (BARFBC) Battery connector: Requires dual positive/negative cabling terminating in (2) Female EBC-320 DIN connectors (Anderson Power Products[®] P/N E32504-00X9 or equivalent) Each individual DIN connector to include 1 red conductor to (+) and 1 black conductor to (-) Battery lead: Length 25" (635 mm), position "B", minimum cable size 4/0 AWG

E80-120XN FEATURES AND OPTIONS

Smooth tread nubber drive tire and steer tirexNon-marking, rubber, or lug tread tiresxWide tread tiresxLIFStDOPT>-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (E100-120XN)x5' forward and 5' back mast tiltx2-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (E100-120XN)x5' forward and 5' back mast tiltx2-stage full free lift mastx3-stage full free lift mastx3-stage full free lift mastx2' (1067mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionx42" (1067mm) wide thook type carriage (E100XN/XNS)x42" (1067mm) wide tachment carriage (E100XN/XNS)x42" (1067mm) wide integral side shift (E80XN)x42" (1067mm) wide integral side shift (E80XN)x43" (1220 mm) integral side shift (E80XN)x44" (1027 mm) side integral side shift (E80XN)x45x46x47x47x48x49x49x40x41x42x43x44x44x45x4	PERFORMANCE	STD	OPT
Transistor drive and pump control x Advanced VSM (Vehicle System Manager) x Regenerative braking x 42-volt electrical system x 80-volt electrical system x 80-volt electrical system x 80-volt electrical system x Reverse Speed System x DRIVE StD Smooth tread rubber drive tire and steer tire x Non-marking, rubber, or lug tread tires x LIFT StD 2-stage limited free lift (LFL) mast with maximum fork height of 120° (2000mm) (E100-120XN) x 2-stage limited free lift nast x 3-stage full free lift mast x 4 forward/s ^b back tilt x 42° (1067 mm) wide hook-type carriage with 48° (1219mm) high load backrest extension x 42° (1067 mm) wide hook type carriage W/ 48° high load backrest extension x 42° (1067 mm) wide headshift carriage x <t< td=""><td>36-volt electrical system</td><td>х</td><td></td></t<>	36-volt electrical system	х	
Advanced VSM (Vehicle System Manager)xxRegenerative brakingxx48-volt electrical systemxxReverse Speed SystemxxReverse Speed SystemxxDIVEStDOPTSmooth tread rubber drive tire and steer tirexxWide tread tiresxxUFTStDOPT2-stage limited free lift (LFL) mast with maximum fork height of 109' (2790mm) (E100-120XN)xx2-stage limited free lift (LFL) mast with maximum fork height of 109' (2790mm) (E100-120XN)xx2-stage full free lift mastxxx2-stage full free lift (LFL) mast with maximum fork height of 109' (2790mm) (E100-120XN)xx2-stage full free lift mastxxx2-stage full free lift mastxxx2-stage full free lift mastxxx2-stage full free lift mastxxx2-stage full free lift mastxxx2/2' (1067 mm) wide hook-type carriage with 48'' (1219 mm) high load backrest extensionxx42'' (1067 mm) wide integral side shift (E80XN)xxx48'' (1220 mm) wide hook type carriage with 8'' high load backrest extensionxx42'' (1067 mm) wide integral side shift (E80XN)xxx42'' (1067 mm) wide integral side shift (E80XN)xxx48'' (1220 mm) wide integral side shift (E80XN)xxx48'' (1220 mm) wide i	AC traction and pump motors (completely brushless)	х	
Regenerative brakingx48-volt electrical systemx80-volt electrical systemx80-volt electrical systemxReverse Speed SystemxDRIVESTDSmooth tread rubber drive tire and steer tirexNon-marking, rubber, or lug tread tiresxVide tread tiresxLIFSTD2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (E80XN)x2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (E100-120XN)x5" forward an 5" back mast tiltx2-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (E100-120XN)x5" forward/5" back tiltx42" (1067 mm) vide hook-type carriage with 48" (1219mm) high load backrest extensionx42" (1067 mm) wide hook-type carriage (E100XN/XNS)x42" (1067 mm) wide hook type carriage (E100XN/XNS)x42" (1067 mm) wide integral side shift (E80XN)x43" (1220 mm) wide integral side shift (E80XN)x44" (1220 mm) wide integral side shift (E80XN)x45" high load backrest extensionx46" (1220 mm) integral sideshift carriagexMultiple fork lengthsxReturn to set tiltxHydraulic attachment extension tubes with or without quick disconnet fittingsxAccumulatorxxTo directional control pedalxMechanical hydraulic leversxSteering whel wintegral spinner knobxNo	Transistor drive and pump control	х	
48-volt electrical system x 80-volt electrical system x Reverse Speed System x DRIVE SD0 Smooth tread rubber drive tire and steer tire x Non-marking, rubber, or lug tread tires x LIF SD0 2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (E80XN) x 2-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (E100-120XN) x 5° forward and 5° back mast tilt x 2-stage full free lift mast x 8° forward/5° back tilt x 42" (1067 mm) wide hook-type carriage with 48" (1219mm) high load backrest extension x 42" (1067 mm) wide hook type carriage (E100XN/XNS) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift car	Advanced VSM (Vehicle System Manager)	х	
80-volt electrical systemxReverse Speed SystemxDRIVESTDOPTSmooth tread rubber drive tire and steer tirexNon-marking, rubber, or lug tread tiresxLIFSTDOPT2-stage limited free lift (LFL) mast with maximum fork height of 100" (2790mm) (E100-120XN)x5' forward and 5' back mast tiltx2-stage full free lift mastx3-stage full free lift mastx3-stage full free lift mastx3-stage full free lift mastx3-stage full free lift mastx42" (1067 mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionx42" (1067 mm) wide hook-type carriage with 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage W/ 48" high load backrest extensionx42" (1067	Regenerative braking	х	
Reverse Speed SystemvxDRVESTDOPTSmoth tread rubber or lug tread tiresxxNon-marking, rubber, or lug tread tiresxxLIFSTDOPT2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (E80XN)xv2-stage limited free lift (LFL) mast with maximum fork height of 19" (2790mm) (E100-120XN)xv5" forward and 5" back mast tiltxx2-stage limited free lift mastxx3-stage full free lift mastxx3-stage full free lift mastxx42" (1067 mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionxv42" (1067 mm) wide hook type carriage with 48" (1219mm) high load 	48-volt electrical system		х
DRIVE STD OPT Smooth tread rubber drive tire and steer tire x x Non-marking, rubber, or lug tread tires x x Wide tread tires x x UIF STD OPT 2-stage limited free lift (LFL) mast with maximum fork height of 10° (2790mm) (E100-120XN) x x 2-stage full free lift nest x x 3-stage full free lift mast x x 3-stage full free lift mast x x 4'' (1067mm) wide hook-type carriage with 48" (1219mm) high load backrest extension x x 42" (1067mm) wide hook-type carriage w/ 48" high load backrest extension x x 42" (1067mm) wide hook type carriage w/ 48" high load backrest extension x x 42" (1067mm) wide hook type carriage w/ 48" high load backrest extension x x 42" (1067mm) wide integral side shift (E80XN) x x 48" (1220 mm) wide integral side shift (E80XN) x x 48" Q120 mm) integrals ideshift carriage x x Hydraulic attachment extension tubes with or without quick disconnect fittings x Load weight indicator x x Accumulator x x ERGONOMICS x Foot directional control pedal <t< td=""><td>80-volt electrical system</td><td></td><td>х</td></t<>	80-volt electrical system		х
Smooth tread rubber drive tire and steer tirexNon-marking, rubber, or lug tread tiresxWide tread tiresxLIFStDOPT>-stage limited free lift (LFL) mast with maximum fork height of 10° (3050mm) (E80XN)x2-stage limited free lift (LFL) mast with maximum fork height of 10° (2790mm) (E100-120XN)x*x2-stage full free lift (10-120XN)x*x3-stage full free lift mastx2-stage full free lift mastx*x3-stage full free lift mastx*x***<	Reverse Speed System		х
Non-marking, rubber, or lug tread tiresIxWide tread tiresIxLIFSTDOPT2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (E80XN)xI2-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (E100-120XN)xI5° forward and 5° back mast tiltxx2-stage full free lift mastxx3-stage full free lift mastxx8' forward/5° back tiltxxHANDLINGSTDOPT42" (1067 mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionx42" (1067 mm) ong forksxx42" (1067 mm) wide attachment carriage (E100XN/XNS)xx42" (1067 mm) wide attachment carriage (E100XN/XNS)xx42" (1067 mm) wide integral side shift (E80XN)xx42" (1067 mm) wide integral side shift (E80XN)xx42" (1067 mm) wide integral side shift carriagexxMultiple fork lengthsxxReturn to set tiltxxHydraulic attachment extension tubes with or without quick disconnect fittingsxLoad weight indicatorxxAccumulatorxxSteering wheel w/integral spinner knobxxNon-suspension vinyl seatxxBack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAuto Decleration SystemxxAuto Decleration Systemxx	DRIVE	STD	OPT
Wide tread tiresxLIFSTDOPT2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (E80XN)x2-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (E100-120XN)x5° forward and 5° back mast tiltx2-stage full free lift mastx3-stage full free lift mastx8° forward/5° back tiltx42" (1067 mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionx42" (1067 mm) wide hook-type carriage w/48" high load backrest extensionx42" (1067 mm) wide hook type carriage (E100XN/XNS)x42" (1067 mm) wide integral side shift (E80XN)x48" (1220 mm) wide integral side shift carriagexMultiple fork lengthsxx AccumulatorxKeturn to set tiltxHydraulic attachment extension tubes with or without quick disconnect fittingsxX EREONOMICSSTDOPTFoot directional control pedalxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAuto Deceleration SystemxAuto Deceleration SystemxAuto Deceleration SystemxAuto Deceleration SystemxAuto Deceleration SystemxAuto Deceleration SystemxAu	Smooth tread rubber drive tire and steer tire	х	
LIFTSTDOPT2-stage limited free lift (LFL) mast with maximum fork height of 120" (3050mm) (E80XN)XX2-stage limited free lift (LFL) mast with maximum fork height of 109" (2790mm) (E100-120XN)XX5° forward and 5° back mast tiltXX2-stage full free lift mastXX3-stage full free lift mastXX8' forward/5° back tiltXXHANDLINGSTDOPT42" (1067mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionX42" (1067mm) wide hook-type carriage (E100XN/XNS)X42" (1067 mm) wide hook type carriage (E100XN/XNS)X42" (1067 mm) wide integral side shift (E80XN)X42" (1067 mm) wide integral side shift (E80XN)X48" (1220 mm) wide integral side shift (E80XN)X48" (1220 mm) wide integral side shift (E80XN)X48" (1220 mm) integral side shift carriageXMultiple fork lengthsXReturn to set tiltXHydraulic attachment extension tubes with or without quick disconnect fittingsXAccumulatorXERGONOMICSSTDFoot directional control pedalXNon-suspension vinyl seatXBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)XAutomatic park brakeXPower assist brakingXOn-demand hydrostatic power-assist steeringXAutomatic park brakeXPower assist brakingXAutomatic park brake	Non-marking, rubber, or lug tread tires		х
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2-stage full free lift mastx3-stage full free lift mastx8' forward/5' back tiltxHANDLINGSTD42" (1067mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionx42" (1067 mm) long forksx42" (1067 mm) wide hook type carriage w/ 48" high load backrest extensionx42" (1067 mm) wide attachment carriage (E100XN/XNS)x42" (1067 mm) wide integral side shift (E80XN)x48" (1220 mm) integral side shift carriagexMultiple fork lengthsxReturn to set tiltxHydraulic attachment extension tubes with or without quick disconnect fittingsxLoad weight indicatorxAccumulatorxERGONOMICSSTDFoot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAuto Daceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxAquistable tilt steering columnxAdjustable tilt steering columnxAdjustable tilt st	of 109" (2790mm) (E100-120XN)	X	
3-stage full free lift mastx8° forward/5° back tiltxHANDLINGSTD42" (1067mm) wide hook-type carriage with 48" (1219mm) high load backrest extensionx42" (1067 mm) long forksx42" (1067 mm) wide hook type carriage w/ 48" high load backrest extensionx42" (1067 mm) wide hook type carriage w/ 48" high load backrest extensionx42" (1067 mm) wide extachment carriage (E100XN/XNS)x42" (1067 mm) wide integral side shift (E80XN)x48" (1220 mm) integral side shift (E80XN)x48" (1220 mm) integral side shift (E80XN)x48" (1220 mm) integral sides hift carriagexMultiple fork lengthsxReturn to set tiltxHydraulic attachment extension tubes with or without quick disconnect fittingsxLoad weight indicatorxAccumulatorxERGONOMICSSTDOPTFoot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxAdjustable tilt steering columnxAdjustable tilt steering columnxAdjustable tilt steering columnxAdjustable tilt steering columnxAdjustable tilt steering column <td>5° forward and 5° back mast tilt</td> <td>х</td> <td></td>	5° forward and 5° back mast tilt	х	
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48" (1220 mm) wide hook type carriage w/ 48" high load backrest extension x 42" (1067 mm) wide attachment carriage (E100XN/XNS) x 42" (1067 mm) wide integral side shift (E80XN) x 48" (1220 mm) integral side shift carriage x Multiple fork lengths x Return to set tilt x Hydraulic attachment extension tubes with or without quick disconnect fittings x Load weight indicator x Accumulator x ERGONOMICS STD Foot directional control pedal x Mechanical hydraulic levers x Steering wheel w/integral spinner knob x Non-suspension vinyl seat x Black, non-cinch seat belt with Emergency Locking Retractor (ELR) x Automatic park brake x Power assist braking x On-demand hydrostatic power-assist steering x Auto Deceleration System x	backrest extension	X	
42" (1067 mm) wide attachment carriage (E100XN/XNS) x 42" (1067 mm) wide integral side shift (E80XN) x 42" (1067 mm) wide integral side shift (E80XN) x 48" (1220 mm) integral side shift (arriage x Multiple fork lengths x Return to set tilt x Hydraulic attachment extension tubes with or without quick disconnect fittings x Load weight indicator x Accumulator x ERGONOMICS STD Foot directional control pedal x Mochanical hydraulic levers x Steering wheel w/integral spinner knob x Non-suspension vinyl seat x Black, non-cinch seat belt with Emergency Locking Retractor (ELR) x Automatic park brake x Power assist braking x On-demand hydrostatic power-assist steering x Auto Deceleration System x Multifunction display (high mount) x Easy ingress/egress with low step height and contoured handhold x Operator convenience station x Adjustable tilt steering column x Operator Presence System	42" (1067 mm) long forks	х	
42" (1067 mm) wide integral side shift (E80XN) x 48" (1220 mm) integral sideshift carriage x Multiple fork lengths x Return to set tilt x Hydraulic attachment extension tubes with or without quick disconnect fittings x Load weight indicator x Accumulator x ERGONOMICS STD Foot directional control pedal x Mochanical hydraulic levers x Steering wheel w/integral spinner knob x Non-suspension vinyl seat x Black, non-cinch seat belt with Emergency Locking Retractor (ELR) x Automatic park brake x Power assist braking x On-demand hydrostatic power-assist steering x Auto Deceleration System x Multifunction display (high mount) x Easy ingress/egress with low step height and contoured handhold x Adjustable tilt steering column x Operator Presence System (OPS) x Cushioned floormat x Seatside power disconnect button x	48" (1220 mm) wide hook type carriage w/ 48" high load backrest extension		х
48" (1220 mm) integral sideshift carriagexMultiple fork lengthsxReturn to set tiltxHydraulic attachment extension tubes with or without quick disconnect fittingsxLoad weight indicatorxAccumulatorxERGONOMICSSTDFoot directional control pedalxMutople sension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxAdjustable tilt steering columnxAdjustable tilt steering columnxAccustoper disconnect buttonxXXSeatside power disconnect buttonxXXSeatside power disconnect buttonxXXSeatside power disconnect buttonxXXSeatside power disconnect buttonXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX </td <td>42" (1067 mm) wide attachment carriage (E100XN/XNS)</td> <td></td> <td>x</td>	42" (1067 mm) wide attachment carriage (E100XN/XNS)		x
Multiple fork lengthsxReturn to set tiltxHydraulic attachment extension tubes with or without quick disconnect fittingsxLoad weight indicatorxAccumulatorxERGONOMICSSTDFoot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxNon-suspension cloth seatx	42" (1067 mm) wide integral side shift (E80XN)		х
Return to set tiltxHydraulic attachment extension tubes with or without quick disconnect fittingsxLoad weight indicatorxAccumulatorxERGONOMICSSTDOPTFoot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxQperator convenience stationxAdjustable tilt steering columnxQuertor Presence System (OPS)xCushioned floormatxNon-suspension cloth seatx	48" (1220 mm) integral sideshift carriage		х
Hydraulic attachment extension tubes with or without quick disconnect fittingsxLoad weight indicatorxAccumulatorxERGONOMICSSTDOPTFoot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxNon-suspension cloth seatx	Multiple fork lengths		х
Load weight indicatorxAccumulatorxERGONOMICSSTDOPTFoot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxQperator convenience stationxAdjustable tilt steering columnxQuerator Presence System (OPS)xCushioned floormatxNon-suspension cloth seatx	Return to set tilt		x
AccumulatorxERGONOMICSSTDOPTFoot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxOperator convenience stationxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxNon-suspension cloth seatxx	Hydraulic attachment extension tubes with or without quick disconnect fittings		х
ERGONOMICSSTDOPTFoot directional control pedalxxMechanical hydraulic leversxxSteering wheel w/integral spinner knobxxNon-suspension vinyl seatxxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xxAutomatic park brakexxPower assist brakingxxOn-demand hydrostatic power-assist steeringxxAuto Deceleration SystemxxMultifunction display (high mount)xxEasy ingress/egress with low step height and contoured handholdxxOperator convenience stationxxAdjustable tilt steering columnxxCushioned floormatxxSeatside power disconnect buttonxxNon-suspension cloth seatxx	Load weight indicator		х
Foot directional control pedalxMechanical hydraulic leversxSteering wheel w/integral spinner knobxNon-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxOperator convenience stationxAdjustable tilt steering columnxQuertor Presence System (OPS)xCushioned floormatxNon-suspension cloth seatx	Accumulator		х
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Non-suspension vinyl seatxBlack, non-cinch seat belt with Emergency Locking Retractor (ELR)xAutomatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxOperator convenience stationxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxNon-suspension cloth seatx	Mechanical hydraulic levers	х	
Black, non-cinch seat belt with Emergency Locking Retractor (ELR) x Automatic park brake x Power assist braking x On-demand hydrostatic power-assist steering x Auto Deceleration System x Multifunction display (high mount) x Easy ingress/egress with low step height and contoured handhold x Operator convenience station x Adjustable tilt steering column x Operator Presence System (OPS) x Cushioned floormat x Seatside power disconnect button x Non-suspension cloth seat x	Steering wheel w/integral spinner knob	х	
Automatic park brakexPower assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxOperator convenience stationxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxSeatside power disconnect buttonxNon-suspension cloth seatx	Non-suspension vinyl seat	х	
Power assist brakingxOn-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxOperator convenience stationxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxSeatside power disconnect buttonxNon-suspension cloth seatx	Black, non-cinch seat belt with Emergency Locking Retractor (ELR)	х	
On-demand hydrostatic power-assist steeringxAuto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxOperator convenience stationxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxSeatside power disconnect buttonxNon-suspension cloth seatx	Automatic park brake	х	
Auto Deceleration SystemxMultifunction display (high mount)xEasy ingress/egress with low step height and contoured handholdxOperator convenience stationxAdjustable tilt steering columnxOperator Presence System (OPS)xCushioned floormatxSeatside power disconnect buttonxNon-suspension cloth seatx	Power assist braking	х	
Multifunction display (high mount) x Easy ingress/egress with low step height and contoured handhold x Operator convenience station x Adjustable tilt steering column x Operator Presence System (OPS) x Cushoned floormat x Seatside power disconnect button x Non-suspension cloth seat x	On-demand hydrostatic power-assist steering	х	
Easy ingress/egress with low step height and contoured handhold x Operator convenience station x Adjustable tilt steering column x Operator Presence System (OPS) x Cushioned floormat x Seatside power disconnect button x Non-suspension cloth seat x	Auto Deceleration System	х	
Operator convenience station x Adjustable tilt steering column x Operator Presence System (OPS) x Cushioned floormat x Seatside power disconnect button x Non-suspension cloth seat x	Multifunction display (high mount)	х	
Adjustable tilt steering column x Operator Presence System (OPS) x Cushioned floormat x Seatside power disconnect button x Non-suspension cloth seat x	Easy ingress/egress with low step height and contoured handhold	х	
Operator Presence System (OPS) x Cushioned floormat x Seatside power disconnect button x Non-suspension cloth seat x	Operator convenience station	х	
Operator Presence System (OPS) x Cushioned floormat x Seatside power disconnect button x Non-suspension cloth seat x	Adjustable tilt steering column	х	
Cushioned floormat x Seatside power disconnect button x Non-suspension cloth seat x		х	
Seatside power disconnect button x Non-suspension cloth seat x		х	
Non-suspension cloth seat x		х	
			х
	Full-suspension seat (vinyl or cloth)		х

ERGONOMICS (continued)	STD	OPT
Full-suspension swivel seat (vinyl or cloth)		х
Seatside directional control		х
Telescoping steering column with tilt memory		х
LED dome/reading light		х
Rear drive handle with horn button		х
Dual rear view mirrors		х
Panoramic rear view mirror		х
Red, high-visibility, non-cinch seat belt with or without interlock		х
Low mount display		х
TouchPoint mini-levers		х
OPERATION	STD	OPT
Standard environmental construction	х	
Key switch start	x	
94" grid style overhead guard	x	
3-function hydraulic control valve	x	
Fully integrated CANbus communication	x	
Battery removal without rollers - lift out	x	
Static strap	X	
Tow pin	x	
Type "E" UL construction	X	
Hyster Stability System (HSS®)	x	
Cooler/freezer package – operating temperatures: -20°F to +120° F	~	х
4-function hydraulic control valve		x
Horizontal Battery Extraction (rollers)		X
Keyless start (with auxiliary key switch)		x
LED brake/tail/back-up light packages		X
LED and halogen work light packages		x
Key switch controlled lights		X
Audible alarm - reverse operation (manually adjustable to 87, 97 or 102 dB)		X
Visible amber strobe light - continuous activated, overhead guard mounted		X
Fire extinguisher - 2.5lb dry chemical		X
Impact monitor with programmable shutdown		X
Operator password start interlock		X
Operator daily checklist		X
System monitor - hydrualic low fluid level indicator and hydraulic filter		^
service indicator		х
Programmable maintenance reminder		х
Rapid/fast charge		X
Type "EE" UL construction		X
12-volt auxiliary power supply		x
Auxiliary DC-DC converter		X
91" grid style overhead guard		X
87" flat plate overhead guard		X
Hyster Reaction™		X
SUPPLEMENTAL	STD	^ OPT
Operating manual	x	
12 month/2,000 hour full truck warranty	x	
36 month/6,000 hour powertrain warranty	x	
ENERGY SYSTEM	^ STD	OPT
Lead acid	X	
Hyster Power Cellect [™]	^	х
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